USER'S AND MAINTENANCE GUIDE

DATE(1)

COLUMNS N°(1)

(1) Would you please fill in these sections

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IMPORTANT INFORMATION

This manual must be considered as an integral part of the equipment and must be red before using the equipment. Therefore do not lose it and keep it in good condition.

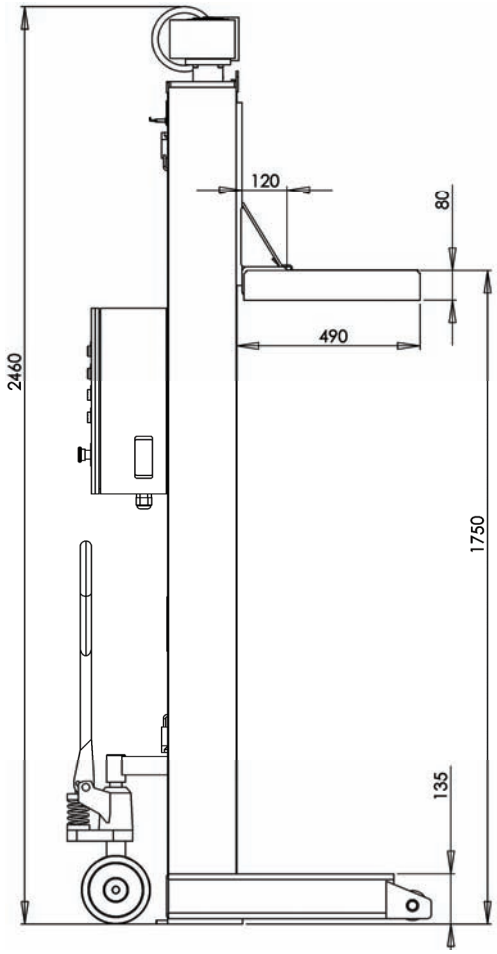
Read carefully all the safety instructions contained in this manual as well as the safety labels applied on the columns. Maintain these labels in good condition and replace any label that become loose or damaged.

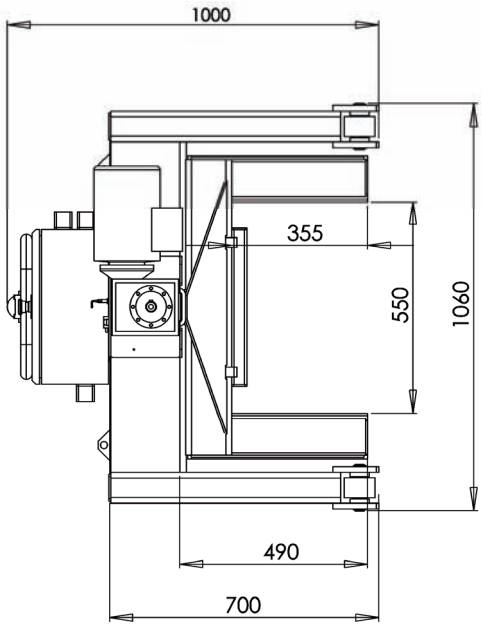
Learn how to use your equipment correctly. Do not let anyone else use it without prior instruction. Maintain your equipment in good working order. Unauthorised modifications are forbidden. they may shorten its working life and immediately terminate the guarantee.

Static and dynamic tests are carried out according to the EN 1493 standard:

- Static test: overload 50% - duration of application: 1 hour;
- Dynamic test: overload 15% - 3 lifting cycles;
- Operating tests;
- Measurement of load intensities;
- Safety tests.

CHARACTERISTICS

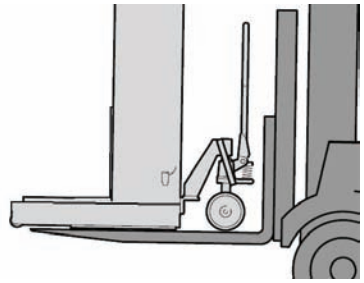




		BL 455NE	BL 465NE	BL x55E	BL x65E
Lifting capacity	(tonnes)	5.5	6.5	5.5	6.5
Tyre characteristics		8.25-20 to 13.00 – 22.5 (Ø 962 to 1154 mm)			
Stroke	(mm)	1670			
Lifting speed	(mm/min)	500			
Electrical power	(kW)	2,2	2,5	2,2	2,5
Voltage	(Volts)	230 or 400			
Frequency	(Hertz)	50			
Net weight	(kg per column)	335	355	335	355
Noise level	(dB)	< 70			

UNLOADING PROCEDURE

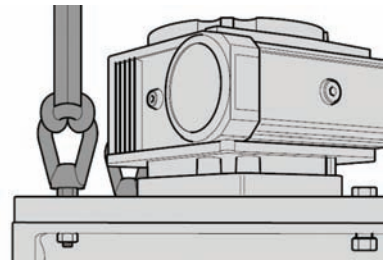
The mobile columns are delivered in the vertical position. Remove the fastenings and make sure that the capacity of your unloading system is at least 500 kg. Handling operations must be carried out slowly and without any shocks.



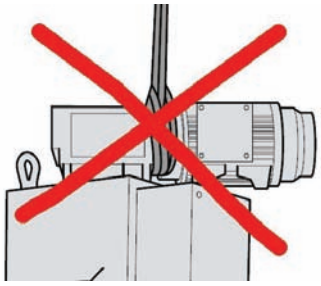
► **Ground with a slope less than 5%:** unloading is carried out using a forklifter:

- Slide the forklifter's forks under the foot of the column;
- fasten the column to the truck's mast with a sling;
- lift the assembly and incline the truck's mast towards the rear.

► **Ground with a slope greater than 5%:** unloading is carried out with an overhead travelling crane, hoist, crane, aso;



- Use slings that are in good condition and with a suitable length;
- sling the column using only the handling rings, as shown opposite.



SAFETY INSTRUCTIONS

Concerning the user

- LIFTMAX lift users should not use their equipment for any purpose other than those specified.
- Make sure that nobody stands under, inside, or on the vehicle, while it is being lifted.
- LIFTMAX mobile lifts should not be used for access to the lifted vehicle or to reach mechanical components/assemblies.
- Keep feet, hands, or any clothes away from moving components.
- Prior to carrying out a maintenance work, make sure that power to the equipment is turned **OFF.**

Concerning the lifting hoist

- Do not overload LIFTMAX lifts.
- Do not bypass or short-circuit any safety components.
- Do not reverse phase sequences inside motors or electrical panels.
- Repair your equipment as soon as a breakdown occurs.
- Do not use LIFTMAX lifts to move the vehicle horizontally.
- Do not drive over cables and plugs.
- Do not connect more than 6 columns together.
- Do not use lifts with different lifting capacities and speeds as a set without consulting our engineers.
- Do not pull control cables in order to disconnect columns.
- Do not open electrical panels without the authorization of supervisors or shop foremen.
- Do not modify electrical boxes.
- Do not store or put anything inside the electrical panels.
- Do not expose LIFTMAX lifts to water, rain, sandblasting, paint or explosion prone environments.
- Do not forget to lower the base of the column by means of the jack at the rear when the lift is stored.
- Do not forget to lower the base of the column and free the rear castor wheel that should not bear any load.
- LIFTMAX lifts should be stored in a standing position.
- Use the tow bar to move columns around the load.
- Each column must rest on the floor.
- Assure that power plug has sufficient amperage and voltage to support electrical requirements of lifts.
- Position the lifts around the vehicle in the configuration shown in the diagram on the lift column.

Raising the vehicle

- Do not start engine while the vehicle is raised.
- Release the vehicle brake before lifting vehicle.
- Do not raise any vehicle higher than 50cm (19”5/8) from floor level by individual or paired operation.
- Do not use any accessory that is not manufactured by LIFTMAX. Use only LIFTMAX stands
- Load shall be equally distributed when using the lifts.
- Center wheel between forks.
- Make sure that load is properly secured and that the lifting points of the load are in good condition and enough resistant.
- Check connections between columns.
- Check the size of the tires to make sure it fits the carriage.
- Make sure that tires are properly inflated.
- Use synchronous operation mode for lifting the entire vehicle.

The environment

- LIFTMAX lifts must not be used if floor grading exceeds 2%.
- The lifts must not be displaced by means of the drawbar if the floor grading exceeds 2%.
- The lifts must not be stored on a floor whose slope exceeds 2%.
- Use a support plate, if the ground resistance is lower than 3400 psi.
- Use the lift on a horizontal plane surface.
- Make sure that there is no obstacle under the forks and over the vehicle to be lifted.
- Make sure that no obstacle interferes during the column displacement.

GRAPHIC SYMBOLS

Trained users only

Warning

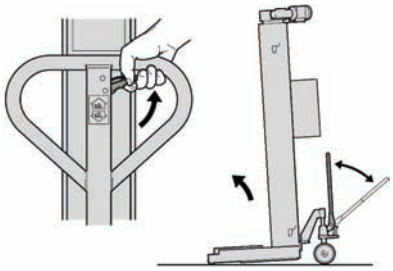
Wheels free

Watch

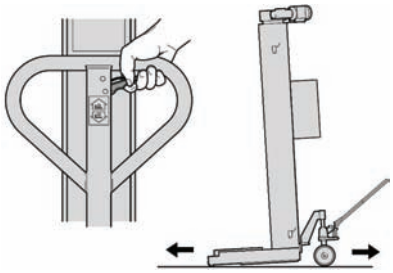
Electrical hazard

Setting up

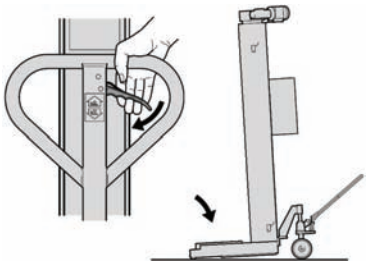
► Moving the column



Lift the rear of the column by keeping the handle of the palette jack upwards and by pumping the handle up and to down

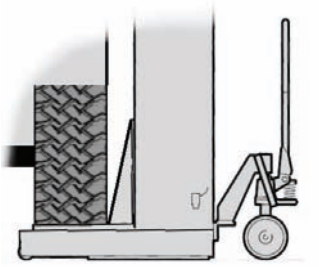


Move the column

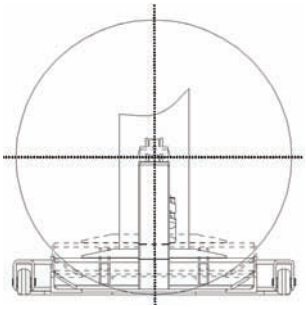


Release the handle of the palette jack to replace the column on the ground

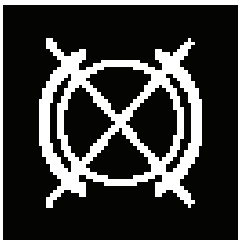
► Place the lifting fork under the tyre



Fully engage the fork of each column under the tyres of the vehicle



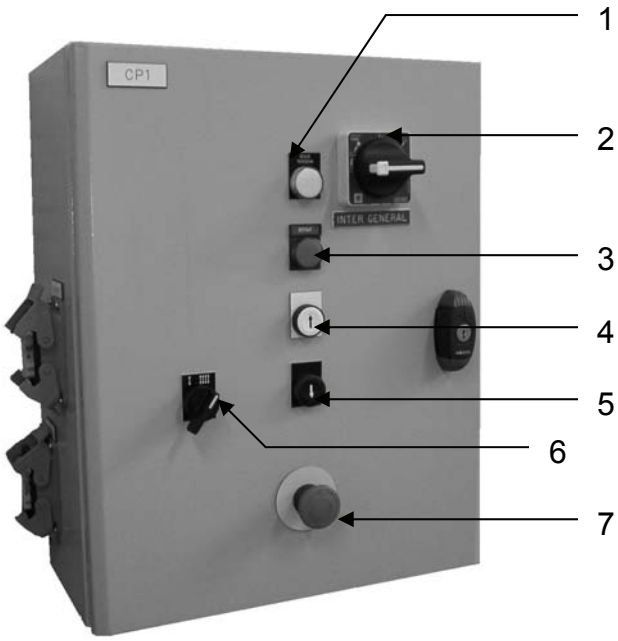
Centre the column to the tyres



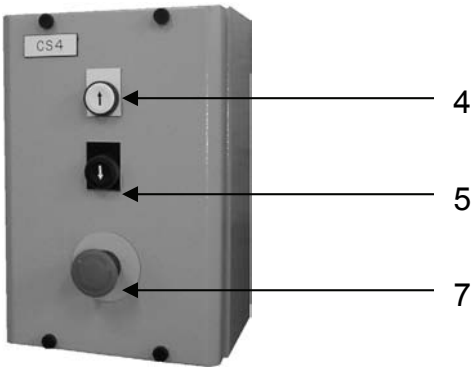
Check that the vehicle's wheels are moving freely

DESCRIPTION (EASY range : BL455NE-BL465NE)

► **Master control panel**

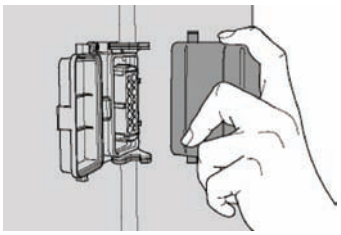


► **Slave control panel**

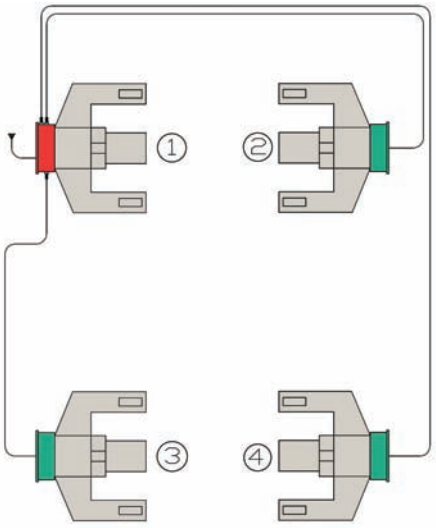


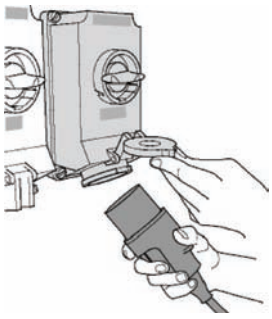
1. “Power on” indicator light
2. Main switch
3. “Malfunction” indicator light
4. “Up” push button
5. “Down” push button
6. Switch “Individual” / “All” lifting mode
7. Emergency stop push button

Connecting the columns (EASY range : BL455NE – BL465NE)



Connect the slave columns 2, 3 and 4 to the master column 1.





Plug the main electrical supply to the wall socket

Lifting procedure (EASY range : BL455NE – BL465NE)

► Switch on the lift

Turn the main circuit breaker switch to the right → The white “power on” indicator light and the red “Malfunction” lights come on

► Put the lift into service

Simultaneously press and hold the “Up” and “Down” push buttons for 3 seconds → The red “Malfunction” light goes out

► Lifting cycle

Switch the selector to the right in the “all” position (↕↕↕↕) → The master control box controls all the columns

Press the “up” button on the master column → All of the columns lift up simultaneously

► Lowering cycle

Switch the selector to the right in the “all” position (↕↕↕↕) → The master control box controls all the columns

Press the “Down” button on the master column → The columns descend simultaneously until each column reaches its low limit switch

► Using the “individual” lifting mode

Switch the selector to the left in the “ind” position (↕) → Each column can be controlled individually through their own control panel

Press the “Up” or “Down” button on the column you want to operate → The column is lifting up or down

► Important notice

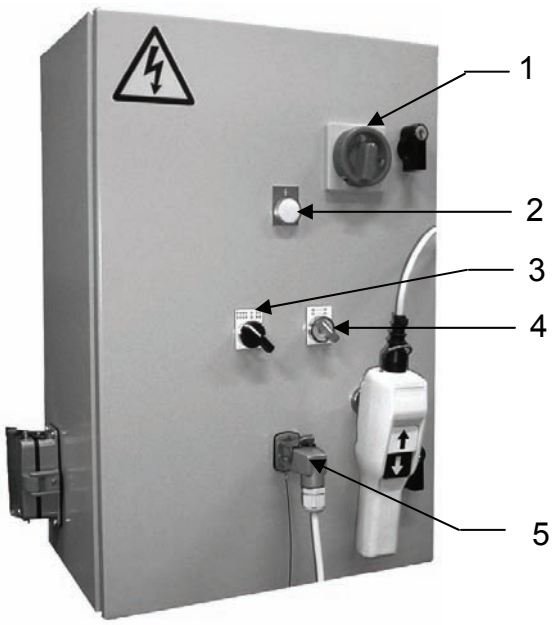
- The switching from “all” to “individual” mode can be carried out at any time within the lifting cycle;
- “up” or “Down” push buttons are of the “dead man” type;
- A motion control system guarantees that the maximum difference between two columns lifting heights (in “all” mode) will always be less than 5 cm;
- A safety system stops the lift during descent when an obstacle is found under the lifting fork;

Trouble shooting (EASY range : BL455NE-BL465NE)

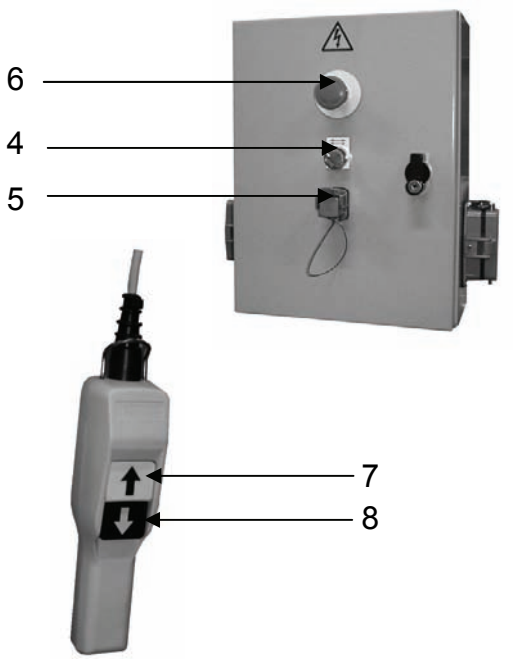
Status of light	Cause	Solution
Light off	Phase inversion (the yellow indicator light on the power relay is off).	Swap two wires in the supply plug.
	The red indicator light bulb is defective.	Change the bulb
Light on continuously	The lift has not been put into service	Simultaneously press and hold the “Up” and “Down” push buttons for 3 seconds: the red “Malfunction” light goes out
	An emergency stop has been pushed	Release any emergency stop push buttons
	A plug has been disconnected	Check the connection of all the linking cables
	A magneto-thermal circuit breaker has been triggered	In the electrical control box, check that the black button is pushed on
Slow flashing	Fault caused by an obstacle	Simultaneously press and hold the “Up” and “Down” push buttons for 3 seconds to reset the fault: the red “Malfunction” light goes out Press the “up” push button for 3 seconds to clear the obstacle. Remove the obstacle. Continue the normal lifting cycle
Very rapid flashing	Level fault between lifting forks greater than 5 cm.	Simultaneously press and hold the “Up” and “Down” push buttons for 3 seconds to reset the fault: the red “Malfunction” light goes out Go into individual mode to correct the level differences column by column then go back to simultaneous mode Continue the normal lifting cycle

DESCRIPTION (EASY+ range : BLx55E-BLx65E)

► **Master control panel**

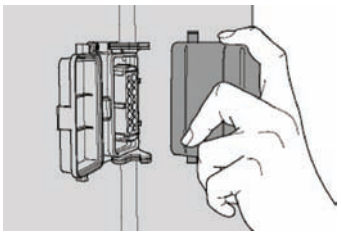


► **Slave control panel & remote control**

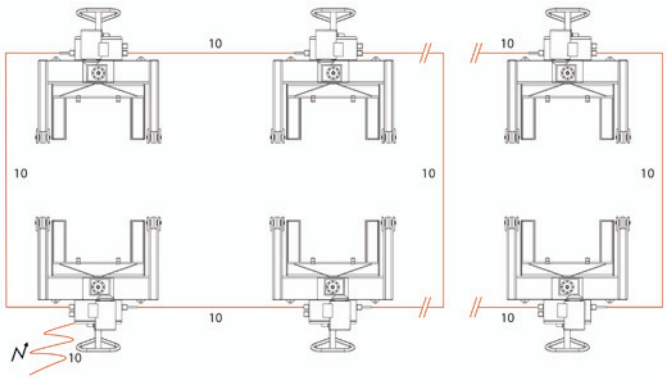


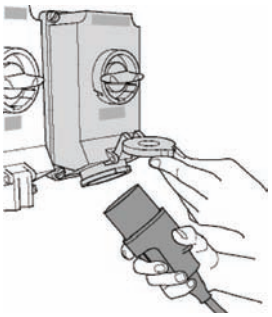
1. Main switch
2. Power on" indicator light
3. Switch "Individual" / "Pair" / "All" lifting mode
4. Column selection
5. Remote control plug
6. Emergency stop push button
7. "Up" push button
8. "Down" push button

Connecting the columns (EASY+ range : BLx55E-BLx65E)



Connect the columns all together
(closed loop)





Plug the main electrical supply to the wall socket (1)

(1) 400 V / 4 columns: 32 Amps plug - 400 V / 6 columns: 63 Amps plug
230 V / 4 or 6 columns: 63 Amps plug.

Lifting procedure (EASY+ range : BLx55E-BLx65E)

► Switch on the lift

Turn the main circuit breaker switch to the right → The white “power on” indicator light comes on

► Plug the remote control

Plug the remote control on one of the control panel (slave or master)

► Lifting cycle in “all” mode

Switch the selector to the left in the “all” position (↕↕↕↕) → The master control box controls all the columns

You can operate the lift from any column by plugging the remote control

Press the “up” or “down” push button of the remote control → All of the columns lift up or down simultaneously

► Lifting cycle in “pair” mode

Switch the selector to the right in the “pair” position (↕↕) → The orange pair selector in the left position blink and those in the right position comes on.

Switch the orange pair selector to the right to indicate to the lift that you want to operate this column.

Repeat this operation with all the columns you want to operate.

→ The orange pair selectors of the column you choose (right position) are on.

Those in the left position are blinking (the column will not move)

Plug the remote on one of the selected column (orange light on)

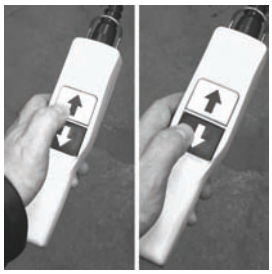
And press the “Up” or “Down” button

→ he columns with the orange light on are moving

► Lifting cycle in “ind” mode

Switch the selector to the middle in the “ind” position (↕)

→ Each column can be controlled individually through their own control panel



Plug the remote control on one of the column to operate this column only

→ The column is lifting up or down

► Important notice

- The switching from “all” to “individual” or “pair” mode can be carried out at any time within the lifting cycle;
- “up” or “Down” push buttons are of the “dead man” type;
- A motion control system guarantees that the maximum difference between two columns lifting heights (in “all” mode) will always be less than 5 cm;
- A safety system stops the lift during descent when an obstacle is found under the lifting fork;

Trouble shooting (EASY+ range : BLx55E-BLx65E)

I Can not switch on the lift (the main switch can not be put on the "ON" position)

At least one phase is not connected to the main switch	Check the connection of: ▪ the power supply ▪ the supply's plug ▪ the cable inside the main panel ▪ the cable (short-circuit or phase cut)
At least one emergency stop button is pushed	Release the emergency stop push button
A link cable plug is not correctly connected	Check all the plug
One fuse is burned (6FU1, 6FU2, 6FU3)	Check the fuses
The fuses are OK but the light of the PLC and the safety relay are off.	Check the transformer
The self of the main switch is burned	Check the self
The self of the safety relay is burned	Check the self
One magneto thermal relay is off	Check the status (black switch on)
One thermal relay is on	Check the relay

I can switch on the lift but it switch off after 2 or 3 seconds

The light of the phase relay is off	Invert 2 phases in the supply plug of the lift.

The main switch is on but no movement is possible in "all" or "ind" mode.

The data from the remote control cannot go to the PLC	Check the remote control and the connection between the remote control and the PLC

I can not lift up in "ind" mode (one column only)

The high limit switch is activated	Check the position of the finger of the sensor Check if the cable of the sensor is not cuted

I can not lift down in "all" mode (group of 4 or 6 columns)

One of the lifting fork is blocked and the lifting nut is not in contact with the lifting carriage anymore	Check the fork and the lifting carriage position

I can not lift down in "ind" mode (one column only)

The low limit switch is activated	Check the position of the finger of the sensor Check if the cable of the sensor is not cuted

The lifting forks stop after 1 or 2 seconds in any configuration

At least one motion control system is defective	▪ Check if the red light of the inductive sensor is blinking ▪ Check the cable of the sensor ▪ Check that the belt is correctly positioned around the pulleys ▪ Check the spring of the belt
At least one dissipation resistor is burned	Check the connection of the resistor and the passivity (Ohm)

In all mode, the fork of the master column only is moving and stops after 1 or 2 seconds

One fuse is burned (6Q2 or/and 6Q3)	Check the fuses

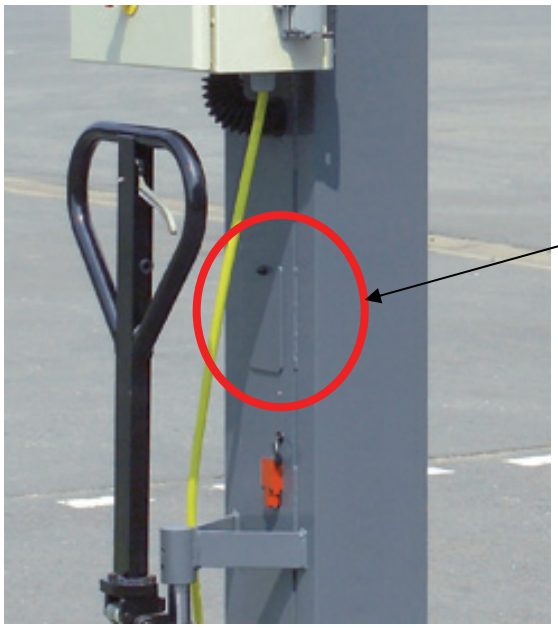
Maintenance

► Inspection schedule

Points to check	Operations	Frequency	Means of checking
Lifting screw	Status of the acme thread	1 year	Visual / cloth for surface smoothness check
Bronze nut	Check the thickness gauge through the inspection slot	1 year	Visual
Bronze nut greasing	Refuel with a grease pump using an appropriate bearing grease	6 months(1)	Grease pump
Upper bearing	Refuel with a grease pump using an appropriate bearing grease	1 year	Grease pump
Cables	Check appearance for visible damages	1 year	Visual
Plugs	Check appearance for visible damage	1 year	Visual
End limit switch	Check functioning	1 year	Triggering

(1) for normal operation: 2 lifting cycles per day.

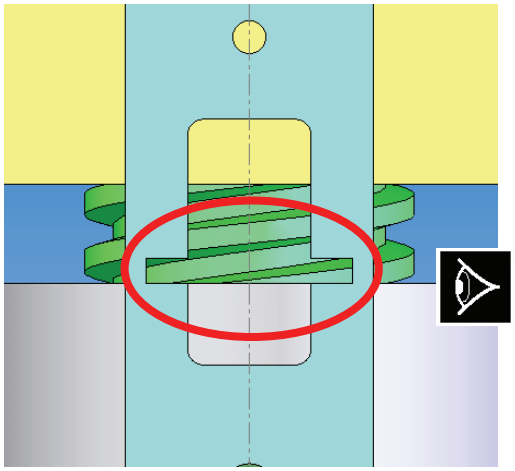
► Checking wear on the bronze load-bearing nut



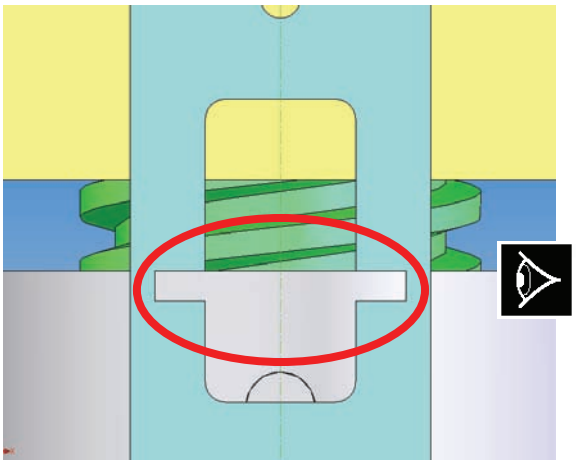
Unscrew the 10 mm nut of the inspection window.

Check the wearing of the bronze nut

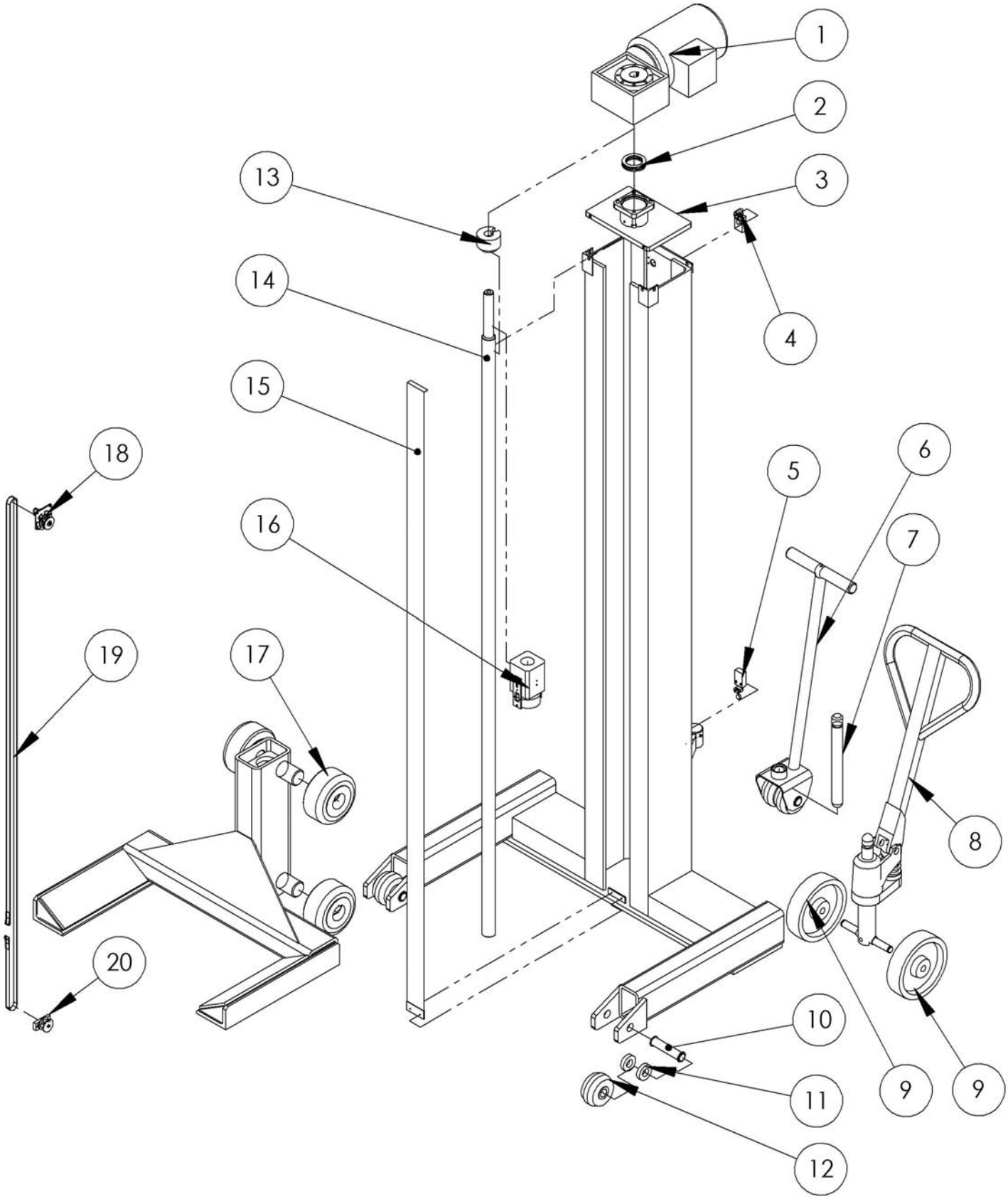
The bronze nut is **new**



The bronze nut is **worn** and must to be changed



List of parts (mechanical)

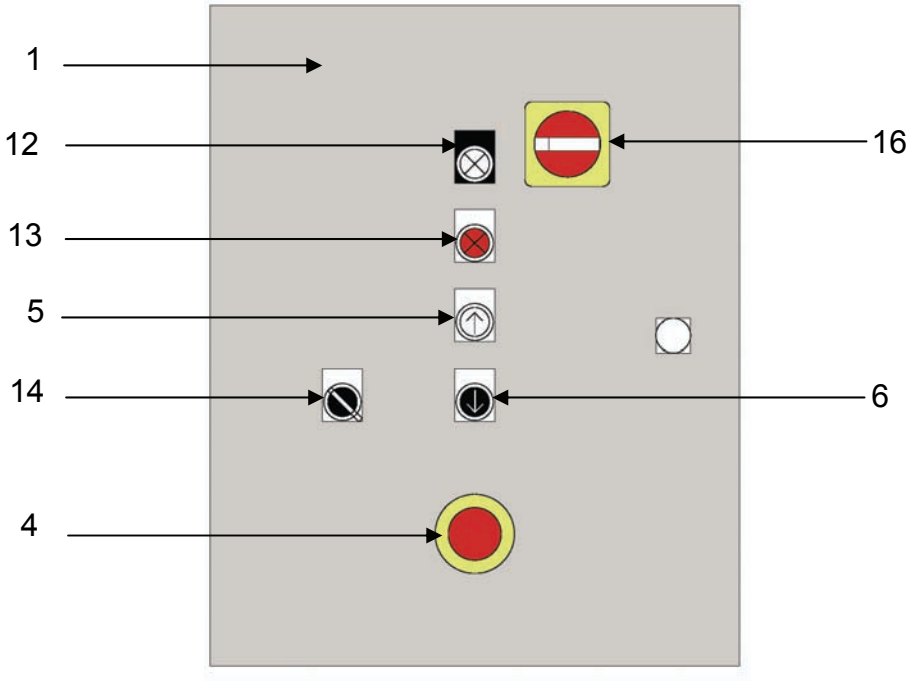


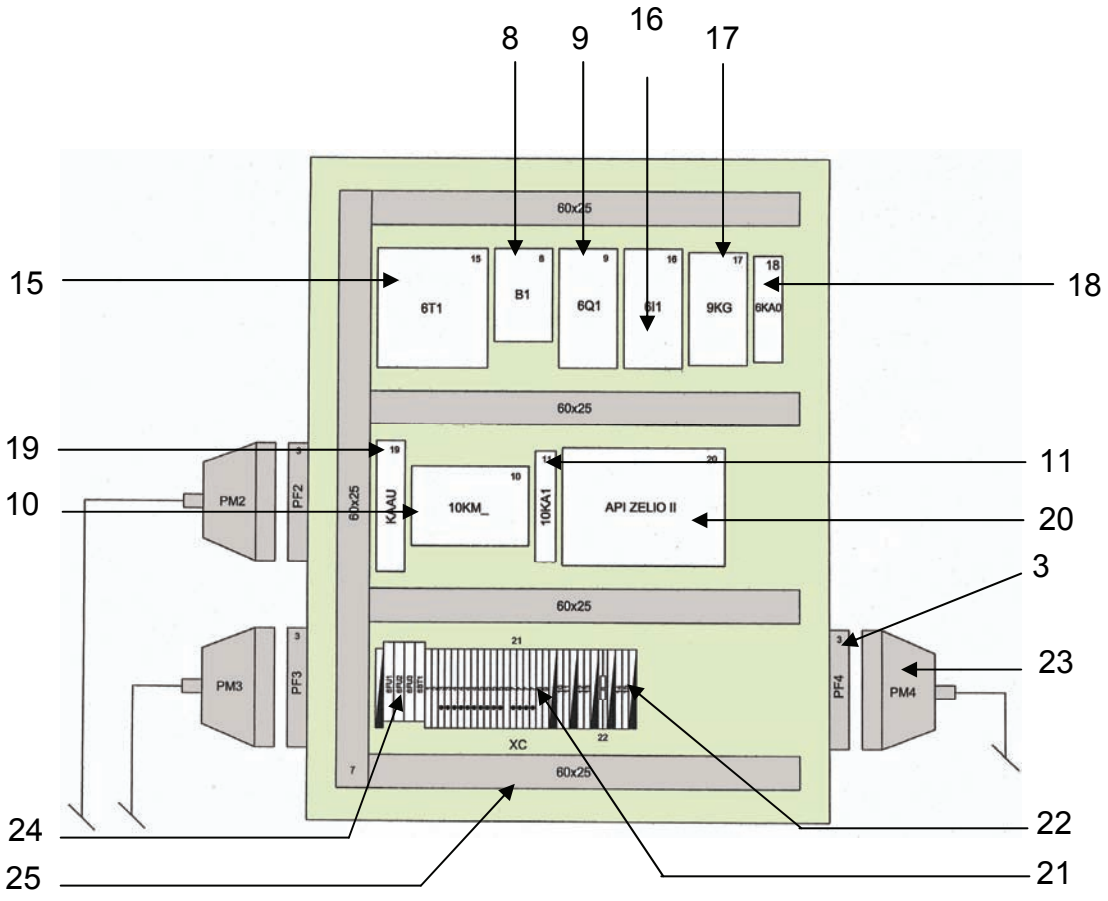
N°		5,5 tonnes	6,5 tonnes
1	Motor reducer	BL55EM001	BL65EM001
2	Top bearing	BL55EM002	BL65EM002
3	Motor reducer support plate	BL55EM003	BL65EM003
4	Up limit switch	BL55EM004	BL65EM004
5	Low limit switch	BL55EM005	BL65EM005
6-7	Mechanical drawbar	BL55EM006	BL65EM006
8-9	Hydraulic palette jack (a)	BL55EM008	BL65EM008
10-11-12	Axle and wheel assembly	BL55EM010	BL65EM010
13-14	Lifting screw assembly	BL55EM013	BL65EM013
15	Protection band assembly	BL55EM015	BL65EM015
16	Bronze nut / safety nut assembly	BL55EM016	BL65EM016
17	Roller	BL55EM017	BL65EM017
18-19-20	Motion control assembly	BL55EM018	BL65EM018

(a) option for Easy series

List of parts (electrical) (EASY range : BL455NE-BL465NE)

► **Master control panel**

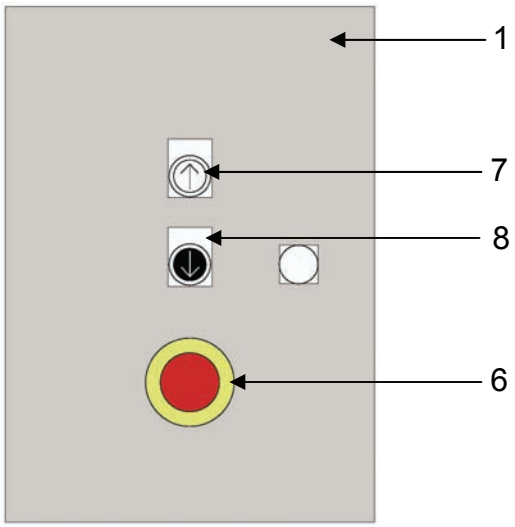


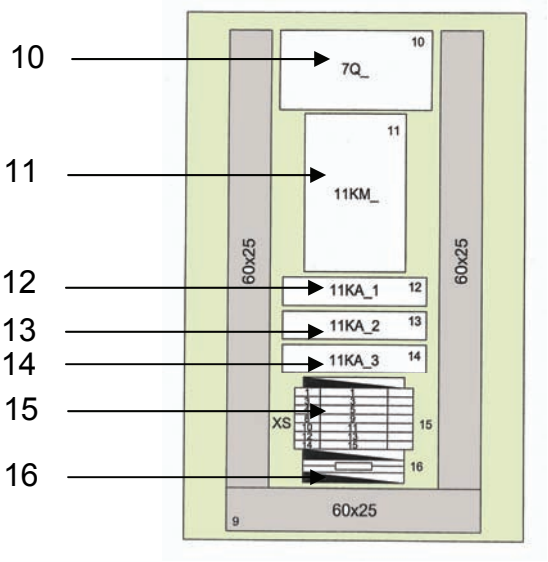


REP.	MNEMO	DESIGNATION
1	CP	PRIMARY CONTROL BOX 500x400x200 + MOUNTING PLATE
2	PE21	CABLE CLAMP OF 21 + Counternut
3	PF-	HOOD CONNECTOR FEMALE CONTACT INSERT 10P + T
4	AU-	EMERGENCY STOP PUSHBUTTON + YELLOW LABEL
5	S1-	UP PUSHBUTTON + WHITE LABEL + AUXILIARY CONTACT BLOCK
6	S2-	DOWN PUSHBUTTON + BLACK LABEL + AUXILIARY CONTACT BLOCK
7		CABLE TROUGH
8	B1	POWER BUSBAR
9	6Q1	MAGNETO-TH CIRCUIT BREAKER. 2,5/4 A + AUXILIARY CONTACT BLOCK
10	10KM-	REVERSING CONTACTOR UP/DOWN + AUXILIARY CONTACT BLOCK
11	10KA-	RELAY STANDART 110 V + BASE
12	H1	SIGNALING LIGHT POWER (WHITE) + LABEL "POWER"
13	H2	SIGNALING LIGHT FAULT (RED) + RED LABEL "FAULT" ENGRAVING EAR
14	IND/ENS	SELECTOR SWITCH + LABEL BLACK "ENS/IND" ENGRAVING EAR + CONTACT NF

REP.	MNEMO	DESIGNATION
15	6T1	TRNSFORMER 100 VA 230/115 Vac
16	6I1	MAIN O MASTER SWITCH 3 x 18A HANDLE (BLUE) AND EXTENSION SHAFT
17	9KG	GENERAL CONTACTOR
18	6KA0	PHASES RELAY
19	KAAU	SAFETY RELAY PREVENTA
20	API	PLC ZELIO 2
21	PE	CONNECTING BLOCK WDU 2?5 CONNECTING BUSBAR WPE4 CONNECTING FUSE HOLDER ASK1/35 CONNECTING FUSE HOLDER ASK1N/35 + FUSE 0,5A SA 5x20 + FUSE 1A FA 5x20 CROSS CONNECTION 3 CONNECTING CROSS CONNECTION 4 CONNECTING
22	R	RESISTOR 4W 10K + CONNECTING BLOCK UK4TG STBE SUPPORT
	9CS	CABLE 4G2,5

► Slave control panel

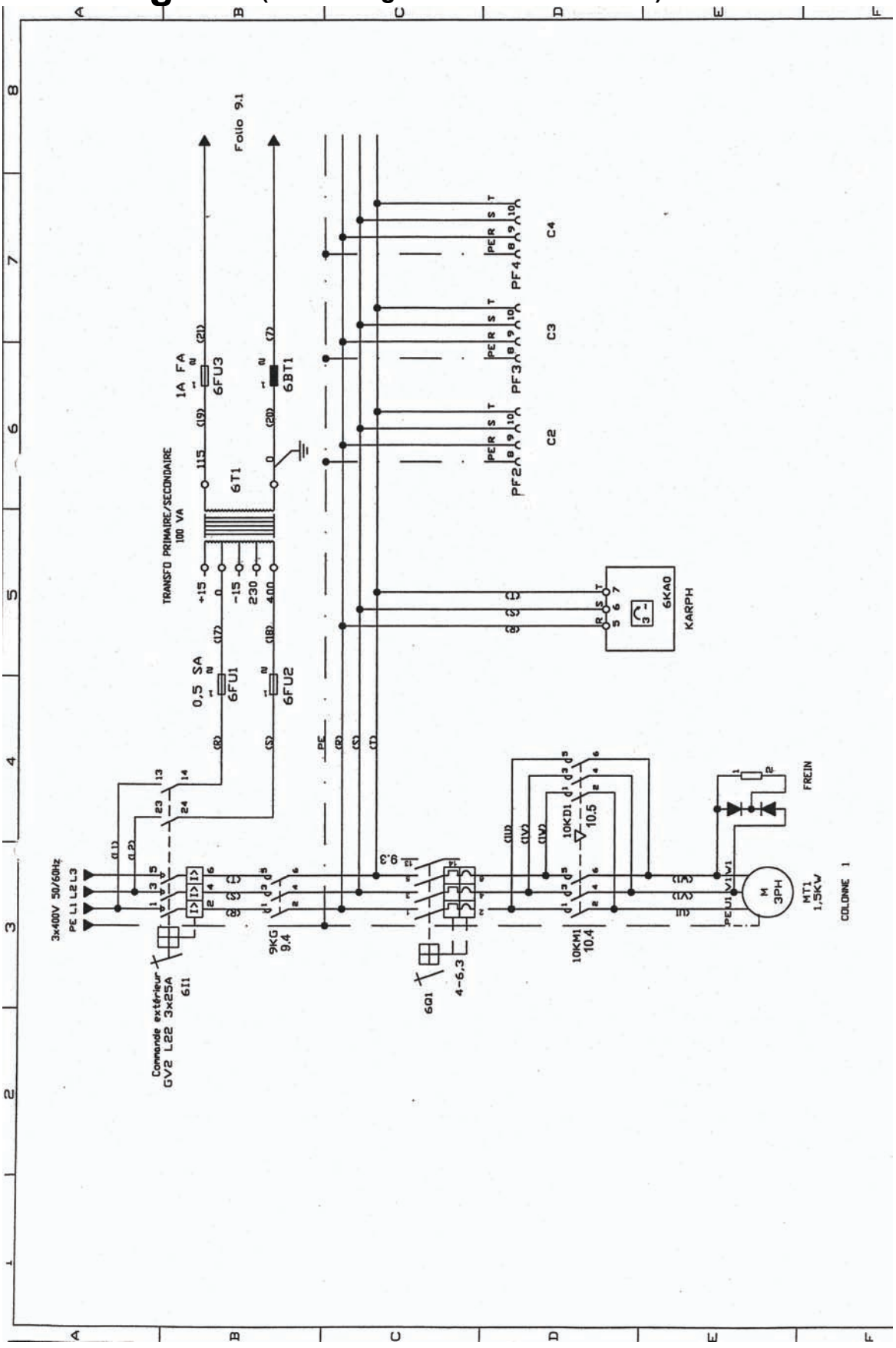


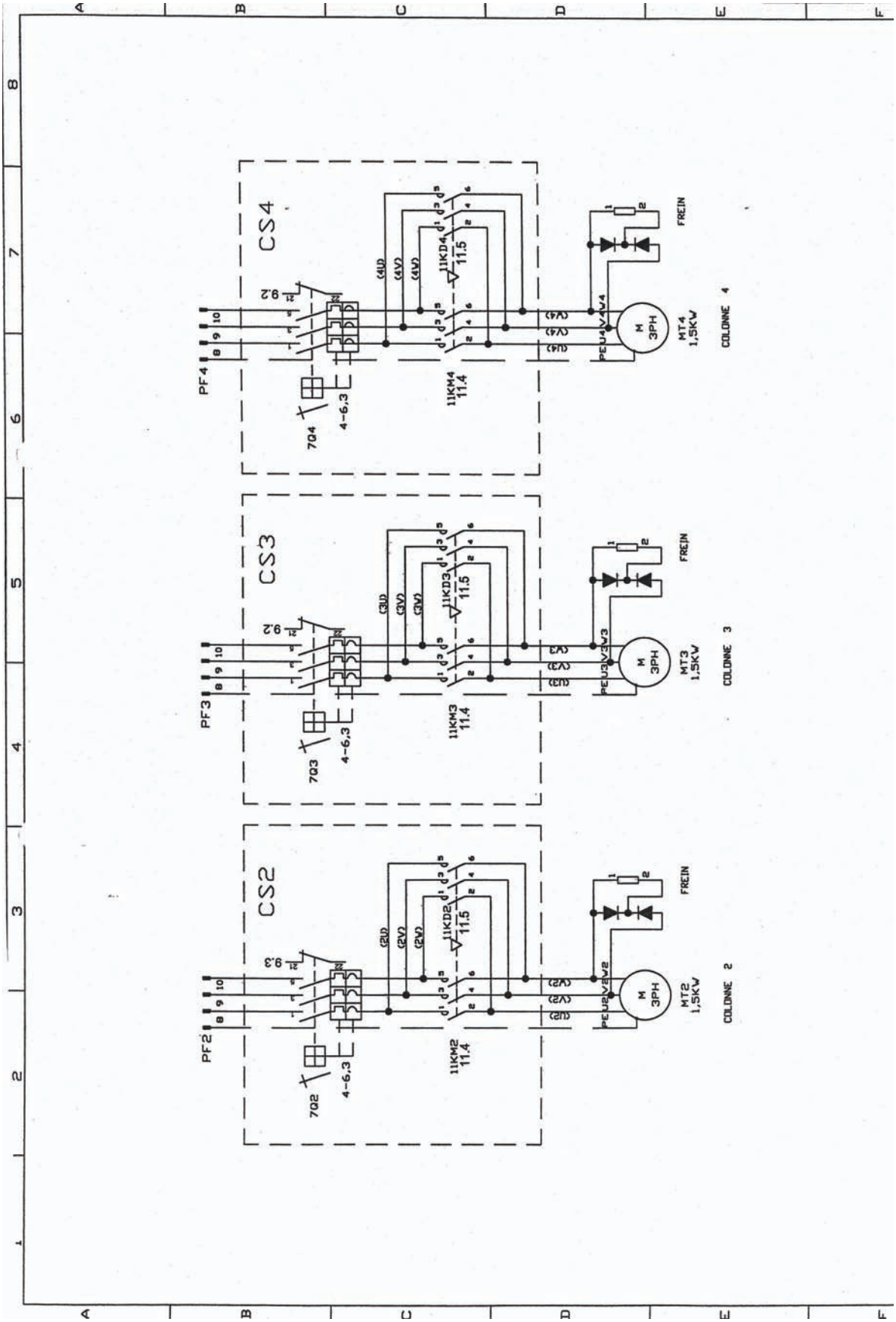


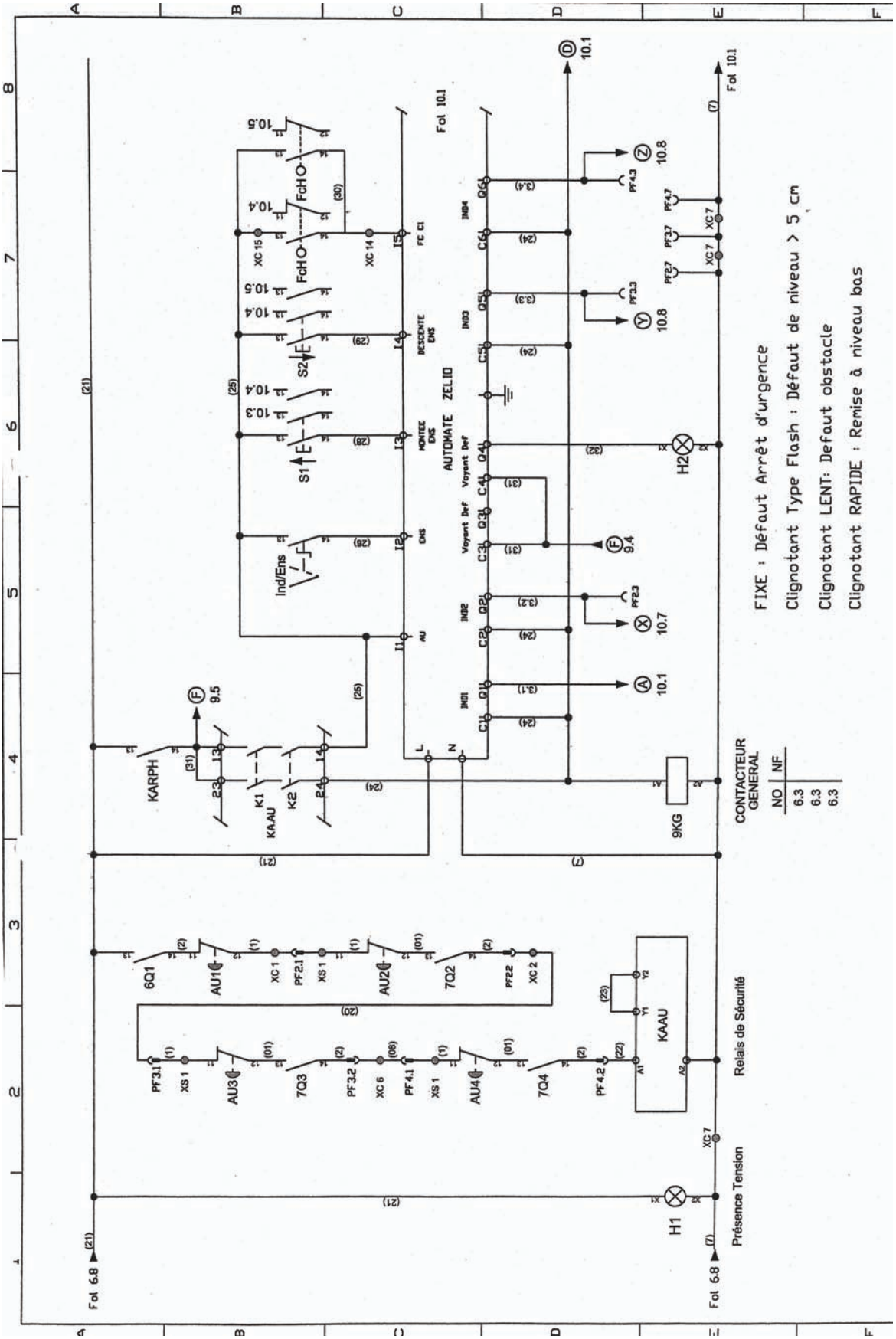
REP.	MNEMO	DESIGNATION
1	CS-	SECONDARY BOX 300x200x200 + BOTTOM PLATE
2	6CS2	CABLE 4G2,5 + 7x1 OLFLEX 400P
3	6CS3	CABLE 4G2,5 + 7x1 OLFLEX 400P
4	6CS4	CABLE 4G2,5 + 7x1 OLFLEX 400P
5	PM-	COVER MALE CONTACT INSERT 10P + T
6	AU-	EMERGENCY STOP PUSHBUTTON + YELLOW LABEL
7	S1-	UP PUSHBUTTON + WHITE LABEL + AUXILIARY CONTACT BLOCK
8	S2-	DOWN PUSHBUTTON + BLACK LABEL + AUXILIARY CONTACT BLOCK
9		CABLE TROUGH
10	7Q-	MAGNETO-TH CIRCUIT BREAKER 2,5/4 A + AUXILIARY CONTACT BLOCK
11	11KM-	REVERSING CONTACTOR UP/DOWN + AUXILIARY CONTACT BLOCK
12	11KA-	RELAY STANDART 110V + BASE FOR RELAY
13/14	11KA-	RELAY STANDART 110V + BASE FOR RELAY

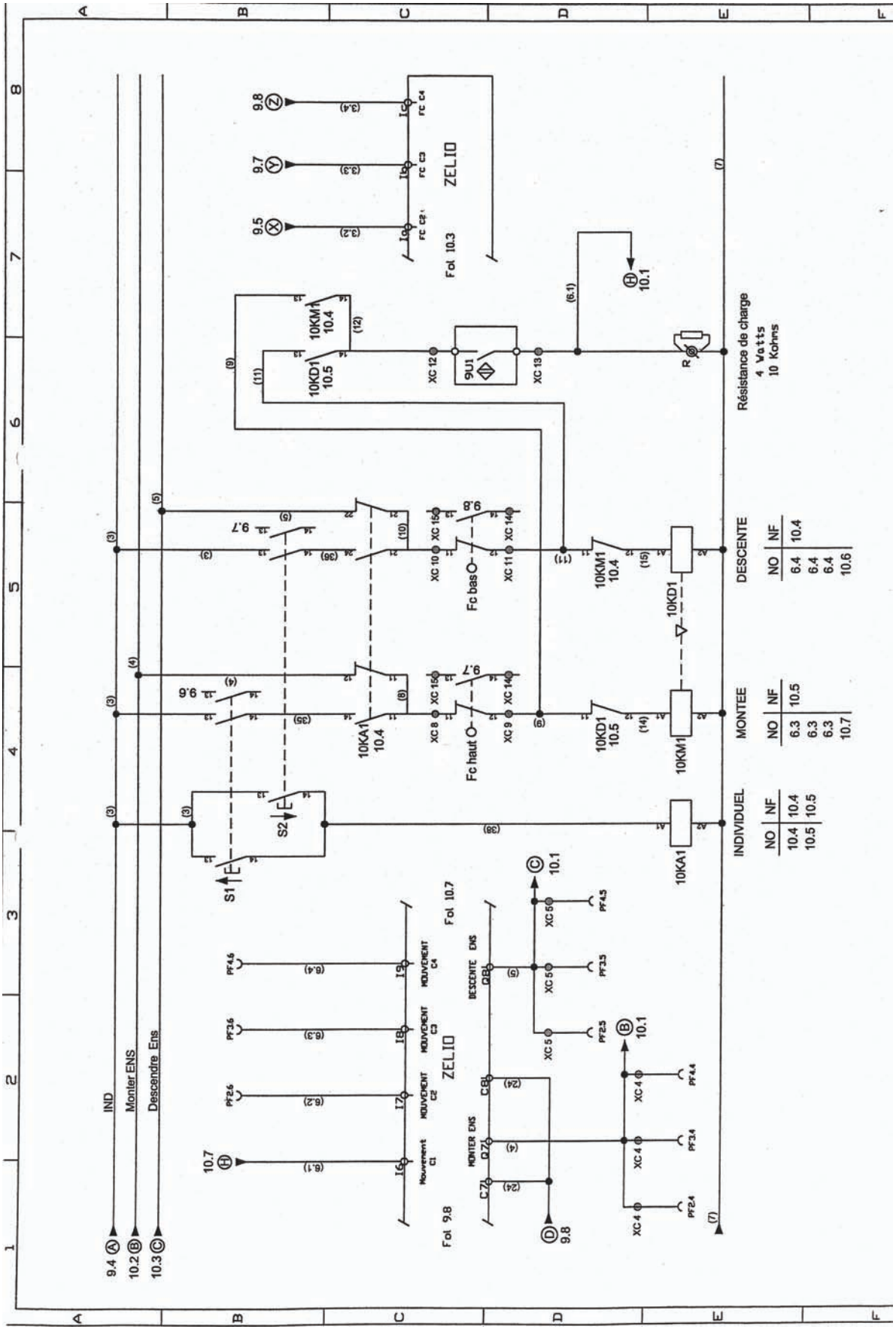
REP.	MNEMO	DESIGNATION
11	PE	DOUBLE CONNECTING WDK 2.5 DOUBLE CONNECTING BOUND WDK 2.5V CONNECTING BUSBAR WPE4 CONNECTING BUSBAR WPE2.5
12	R	RESISTOR 4W 10K + CONNECTING BLOCK UK4TG + STBE SUPPORT
13	PE21	CABLE CLAMPS OF 21 + Counternut

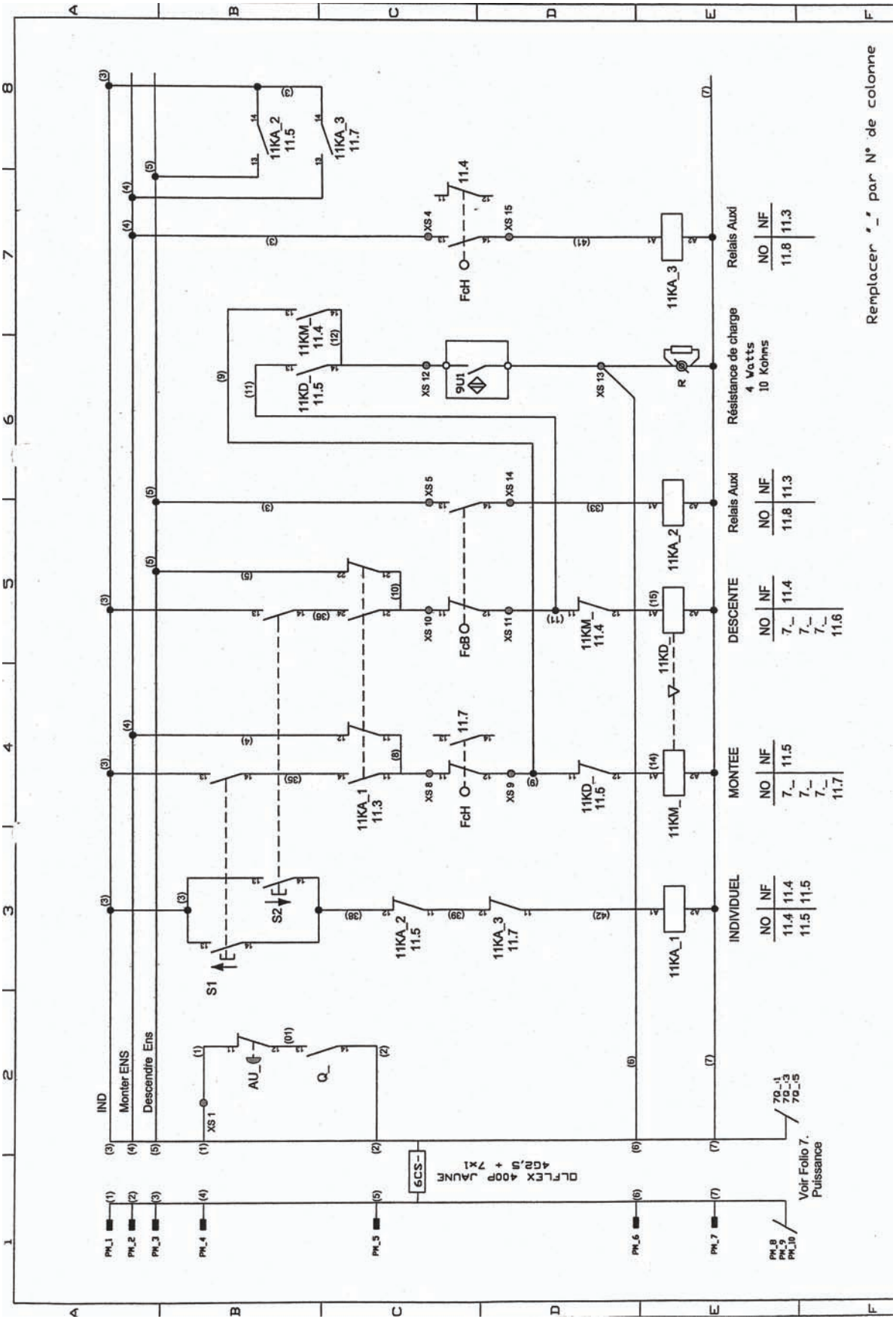
Electrical diagram (EASY range : BL455NE-BL465NE)




CS4
CS3
CS2
PF4
PF3
PF2
7Q4
7Q3
7Q2
4-6,3
11KM4
11.4
11KM3
11KM2
11KD4
11KD3
11KD2
11.5
9.2
9.3
M
3PH
MT4
1,5KW
MT3
MT2
FREIN
COLONNE 4
COLONNE 3
COLONNE 2

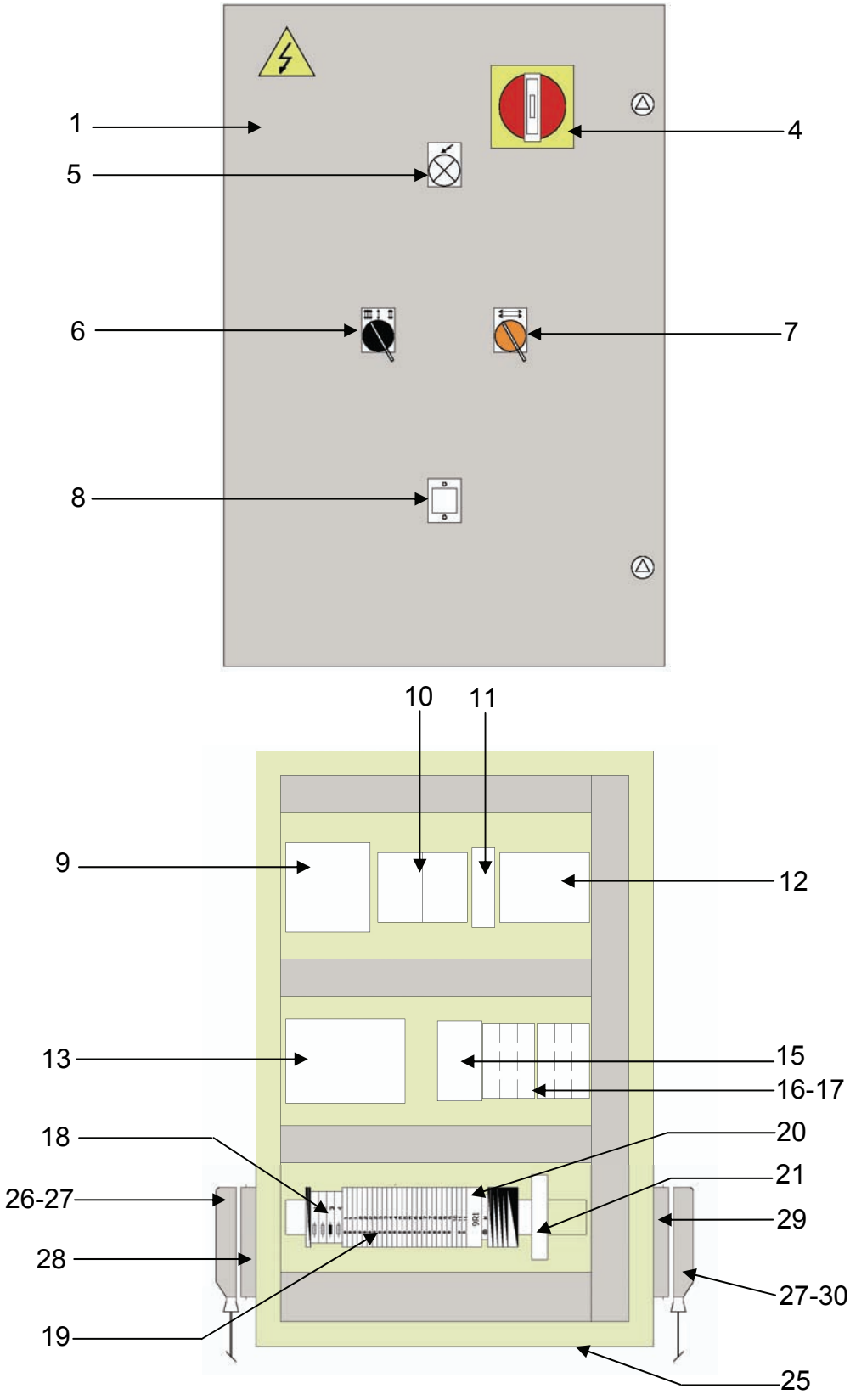

FIXE : Défaut Arrêt d'urgence
Clignotant Type Flash : Défaut de niveau > 5 cm
Clignotant LENT: Defaut obstacle
Clignotant RAPIDE : Remise à niveau bas
CONTACTEUR GENERAL
NO NF
6.3
6.3
6.3
Relais de Sécurité
Présence Tension
KARPH
K1
K2
KAAU
9KG
H1
H2
S1
S2
Ind/Ens
AUTOMATE ZELIO
6Q1
AU1
AU2
7Q2
AU3
7Q3
AU4
7Q4
Fol 10.1
Fol 6.8


IND
Monter ENS
Descendre Ens
9.4 A
10.2 B
10.3 C
ZELIO
Fol 10.3
Fol 10.7
Fol 9.8
9.8 Z
9.7 Y
9.5 X
10KM1 10.4
10KD1 10.5
9U1
XC 12
XC 13
10.1 H
Résistance de charge
4 Watts
10 Kohms
9.7
9.8
Fc bas
Fc haut
10KA1 10.4
S1
S2
10KA1
10KD1
10KM1
DESCENTE
MONTEE
INDIVIDUEL
NO NF
10.4 10.4
10.5 10.5
6.4 10.4
6.4
6.4
10.6
6.3 10.5
6.3
6.3
10.7
10.7 H
ZELIO
MONTER ENS
DESCENTE ENS
10.1 B
10.1 C
9.8 D


Remplacer '_' par N° de colonne
IND
Monter ENS
Descendre Ens
S1
S2
AU_
Q_
XS 1
11KA_1 11.3
11KA_2 11.5
11KA_3 11.7
11KD_ 11.5
11KM_ 11.4
FcH
FcB
XS 4
XS 15
XS 12
XS 13
XS 5
XS 14
XS 10
XS 11
XS 8
XS 9
9U1
R
Résistance de charge 4 Watts 10 Kohms
Relais Auxi
DESCENTE
MONTEE
INDIVIDUEL
NO NF
11.8 11.3
7._ 11.4
7._ 11.5
7._ 11.7
11.4 11.4
11.5 11.5
7._ 11.6
DLFLEX 400P JAUNE 4G2,5 + 7x1
6CS
Voir Folio 7. Puissance

List of parts (electrical) (EASY+ range : BLx55E-BLx65E)

► **Master control panel**



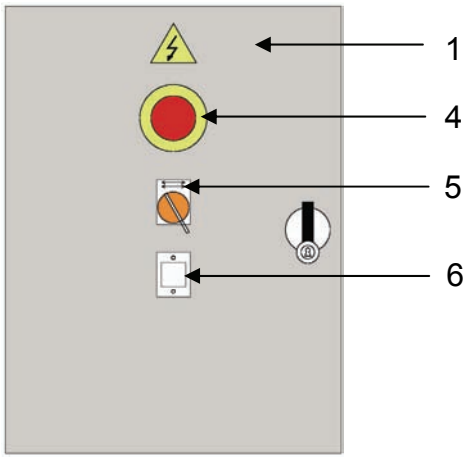
Outside (master control panel)

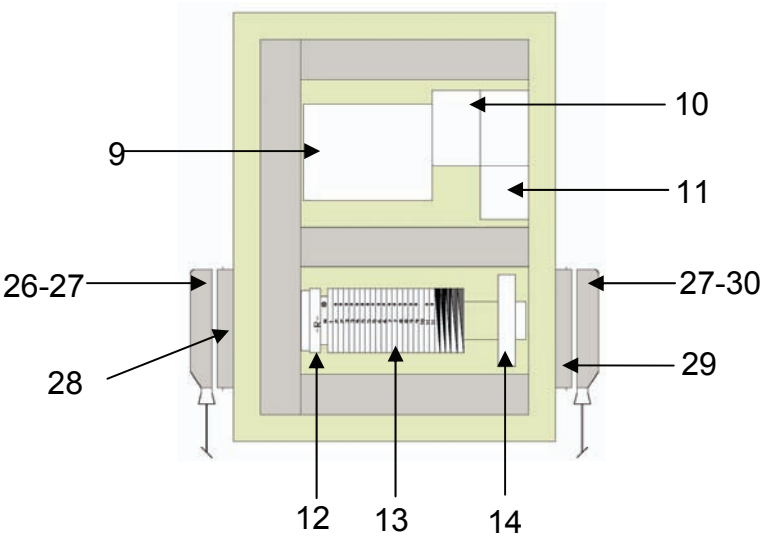
REP	MNEMO	DESCRIPTION	REFERENCE
1	CP	Master panel	E-93703-022-01
4	-	Main switch	E-93703-022-04
5	-	“Power on” white lamp	E-93703-022-05
6	-	3-position selector (ALL/IND/PAIR)	E-93703-022-06
7	-	“Pair mode” selection switch	E-93703-022-07
8	-	Remote control plug	E-93703-022-08

Inside (master control panel)

REP	MNEMO	DESCRIPTION	REFERENCE
9	6T1	Transformer 230/400 V	E-93703-022-09
10	9KM/D1	Reversing contactor UP/DOWN	E-93703-022-10
11	6KA0	Phase relay	E-93703-022-11
12	6IG1	Main switch	E-93703-022-12
13	API	PLC	E-93703-022-13
15	6Q1	Magneto thermal circuit breaker	E-93703-022-15
16-17	6Q3-6Q2	32A fuses	E-93703-022-16
18	6FU-	2A fuses	E-93703-022-18
19	XC	Connecting block	E-93703-022-19
20	9R1	4W resistor	E-93703-022-20
21	9K1	PLC safety relay	E-93703-022-21
25	1AL	Power supply cable 10 meters	E-93703-022-25
26	-	Female outside plug	E-93703-022-26
27	-	Linking cable 10 meters	E-93703-022-27
28	-	Male plug (panel)	E-93703-022-28
29	-	Female plug (panel)	E-93703-022-29
30	-	Male outside plug	E-93703-022-30

► Slave control panel





Outside (slave control panel)

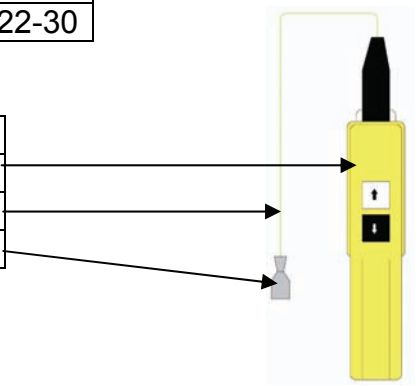
REP	MNEMO	DESCRIPTION	REFERENCE
1	CS-	Slave panel	E-93703-029-01
4	AU-	Emergency stop push button	E-93703-029-04
5	10C2-10H2	“Pair mode” selection switch	E-93703-029-05
8	SIG1	Remote control plug	E-93703-022-08

Inside (slave control panel)

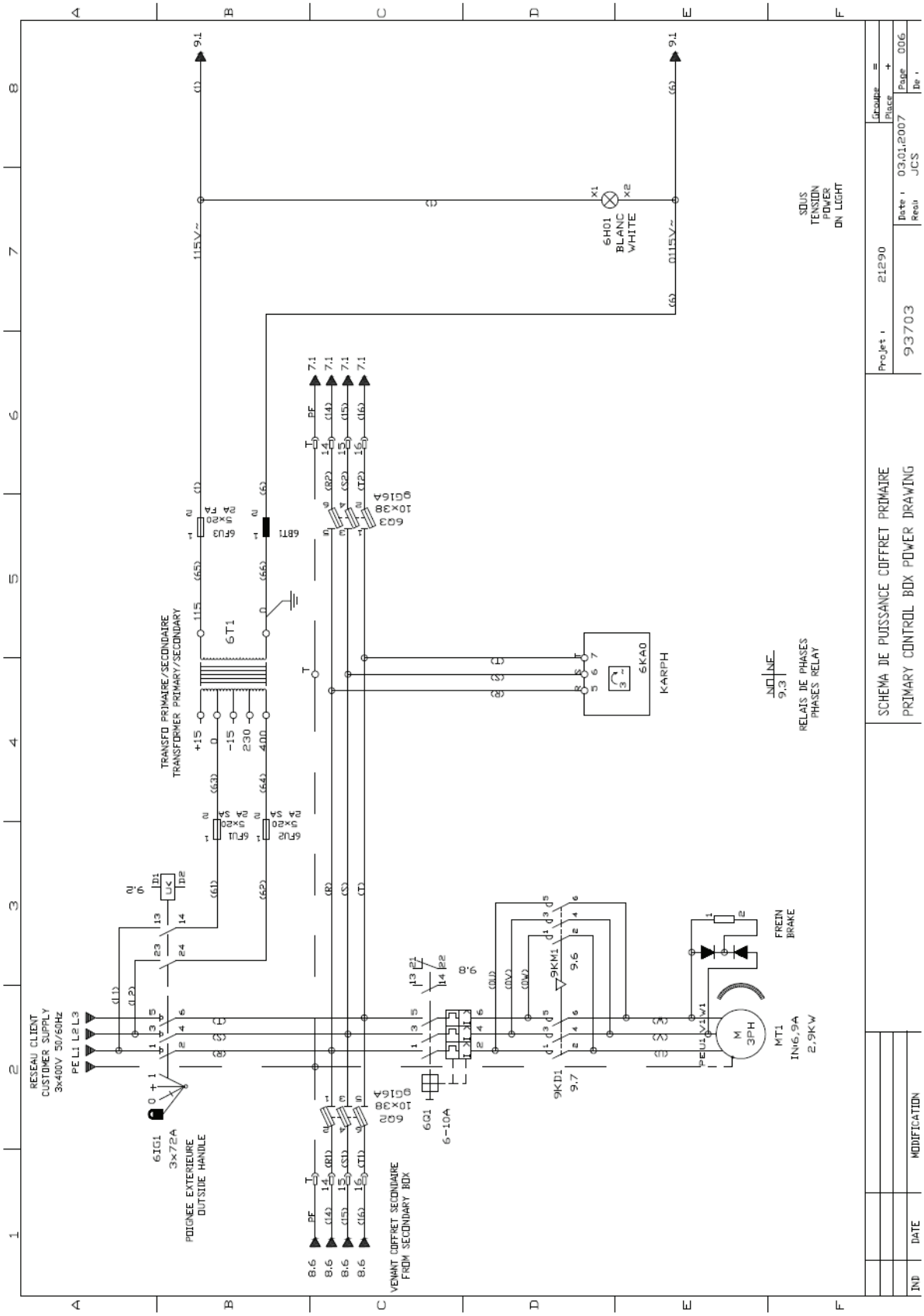
REP	MNEMO	DESCRITION	REFERENCE
9	API	PLC	E-93703-029-09
10	-KM-/D-	Reversing contactor UP/DOWN	E-93703-029-10
11	-FU-	Thermal relay	E-93703-029-11
12	-R-	4W resistor	E-93703-029-12
13	XC-	Connecting block	E-93703-029-13
14	-K1	PLC safety relay	E-93703-029-14
26	-	Female outside plug	E-93703-022-26
27	-	Linking cable 10 meters	E-93703-022-27
28	-	Male plug (panel)	E-93703-022-28
29	-	Female plug (panel)	E-93703-022-29
30	-	Male outside plug	E-93703-022-30

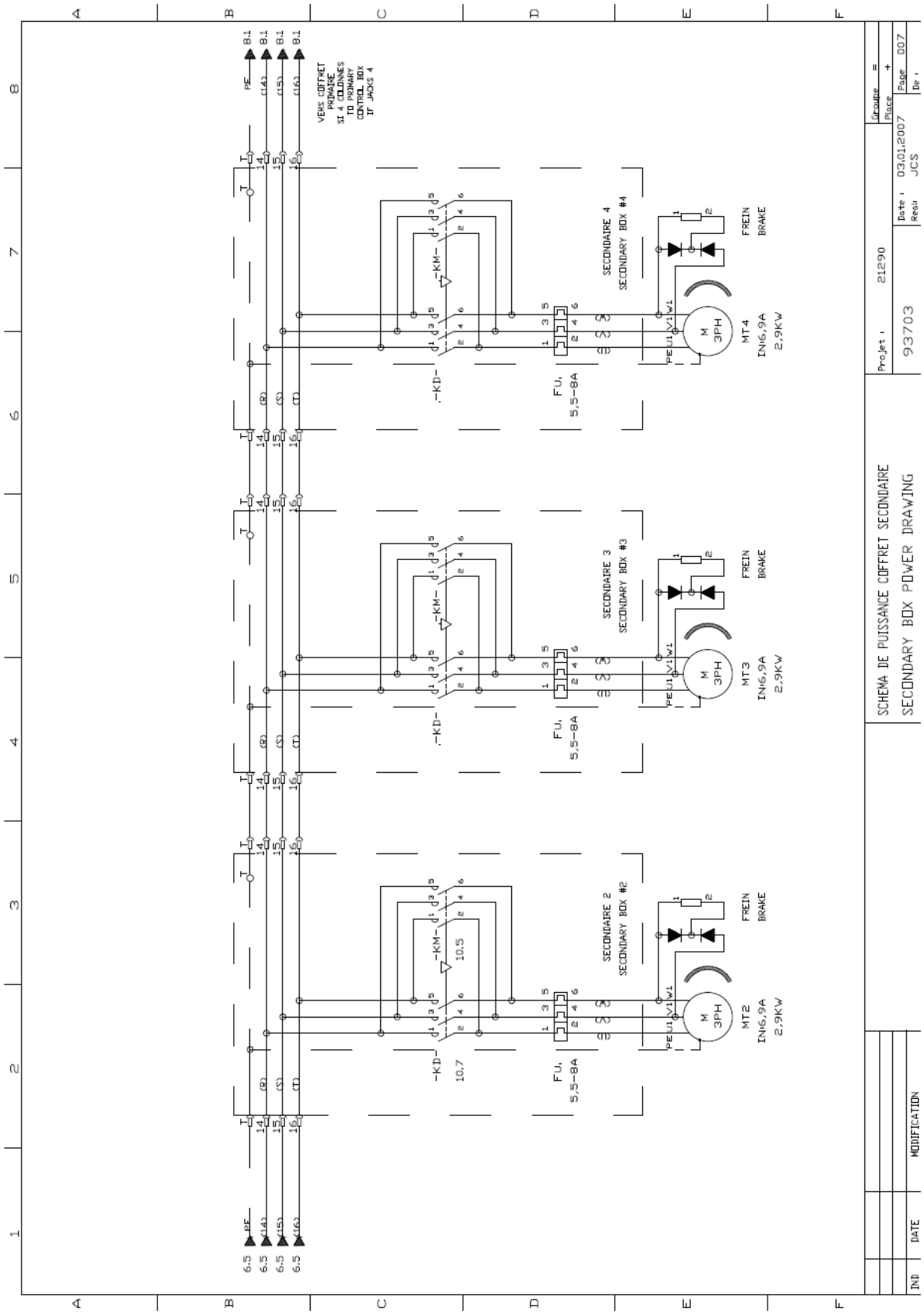
Remote control

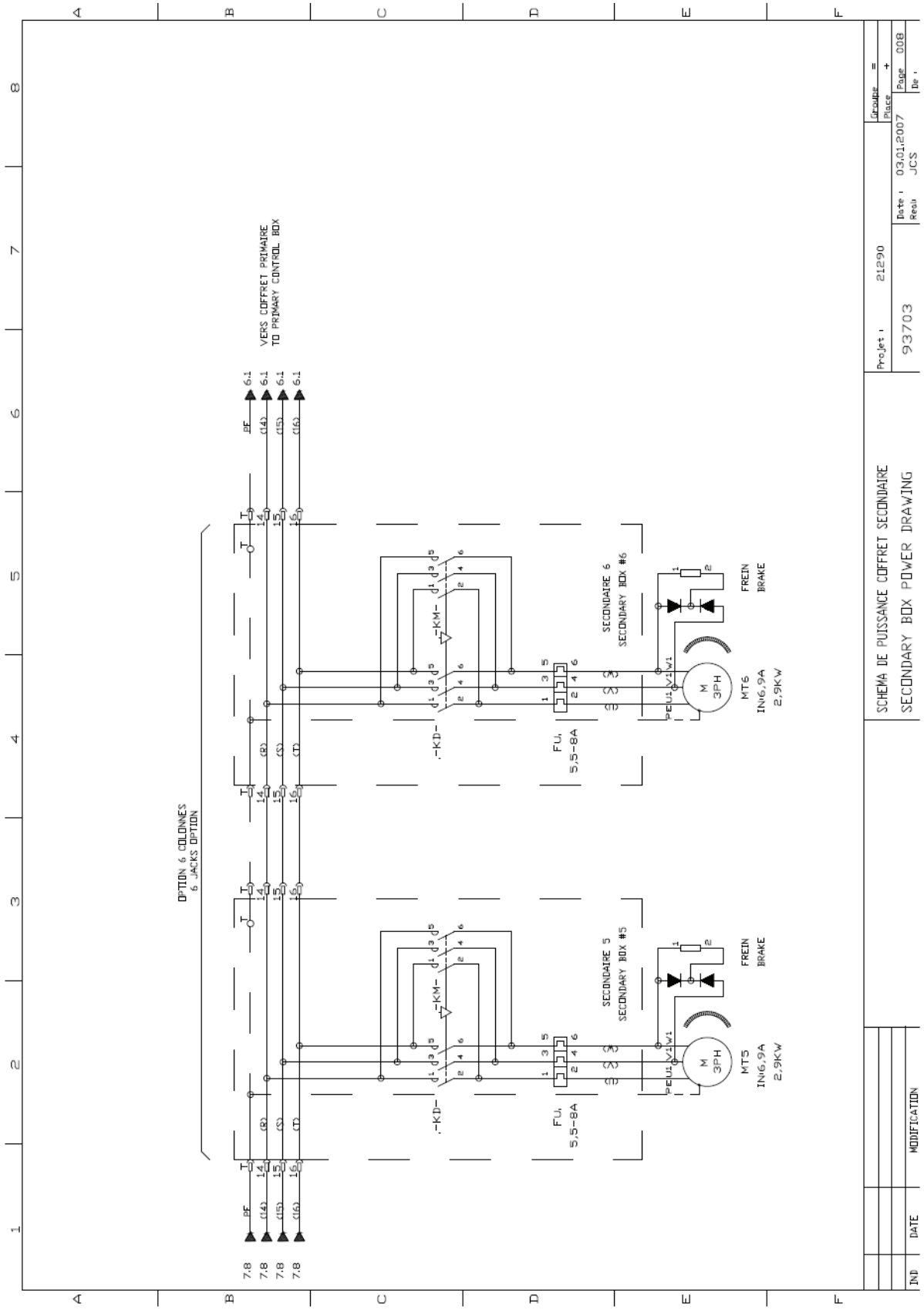
REP	MNEMO	DESCRITION	REFERENCE
1	BB-	Remote control + magnet	E-93703-029-09
2	1BB-	3 meters cable	E-93703-029-10
3	XBB-	Male plug	E-93703-029-11

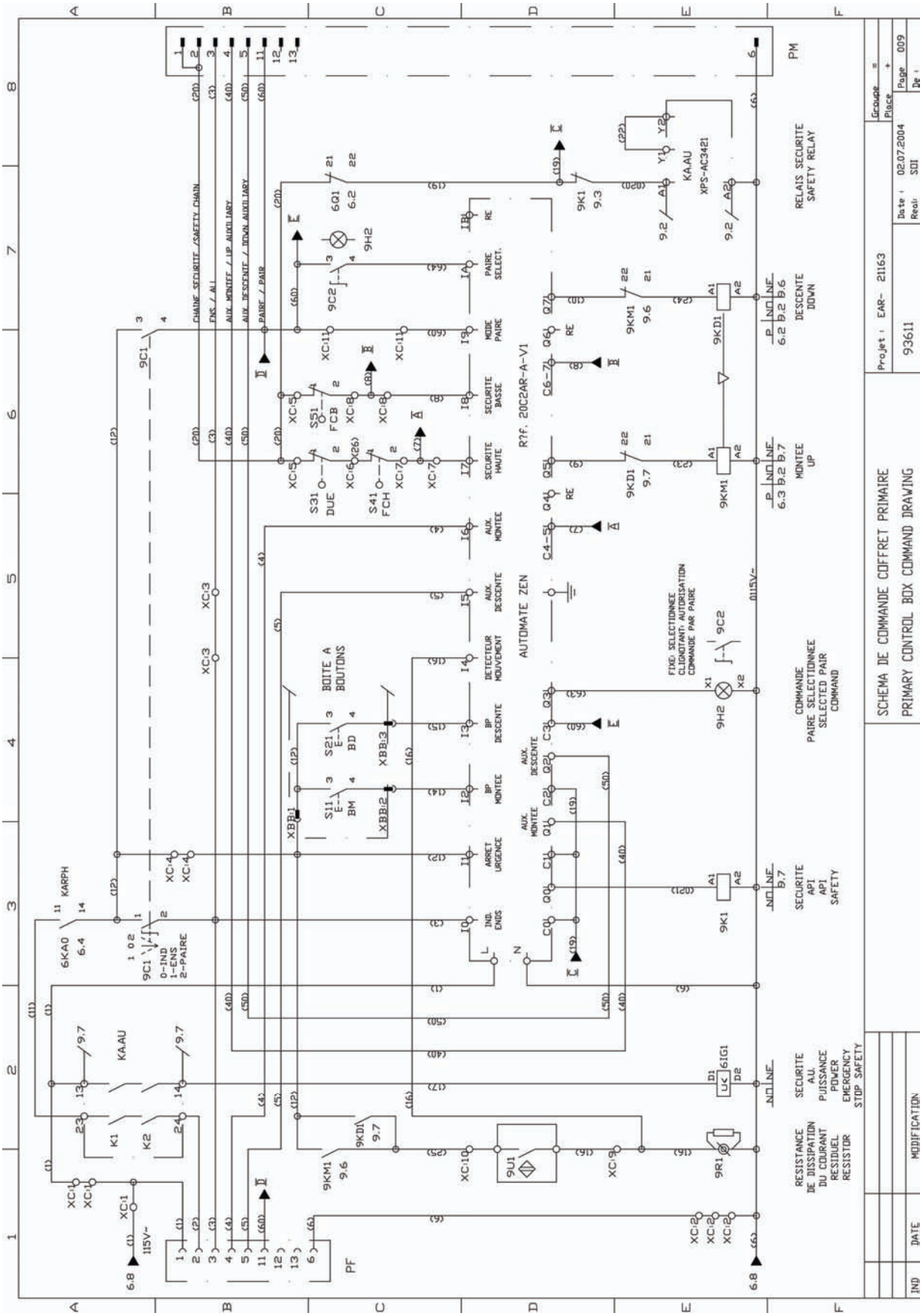


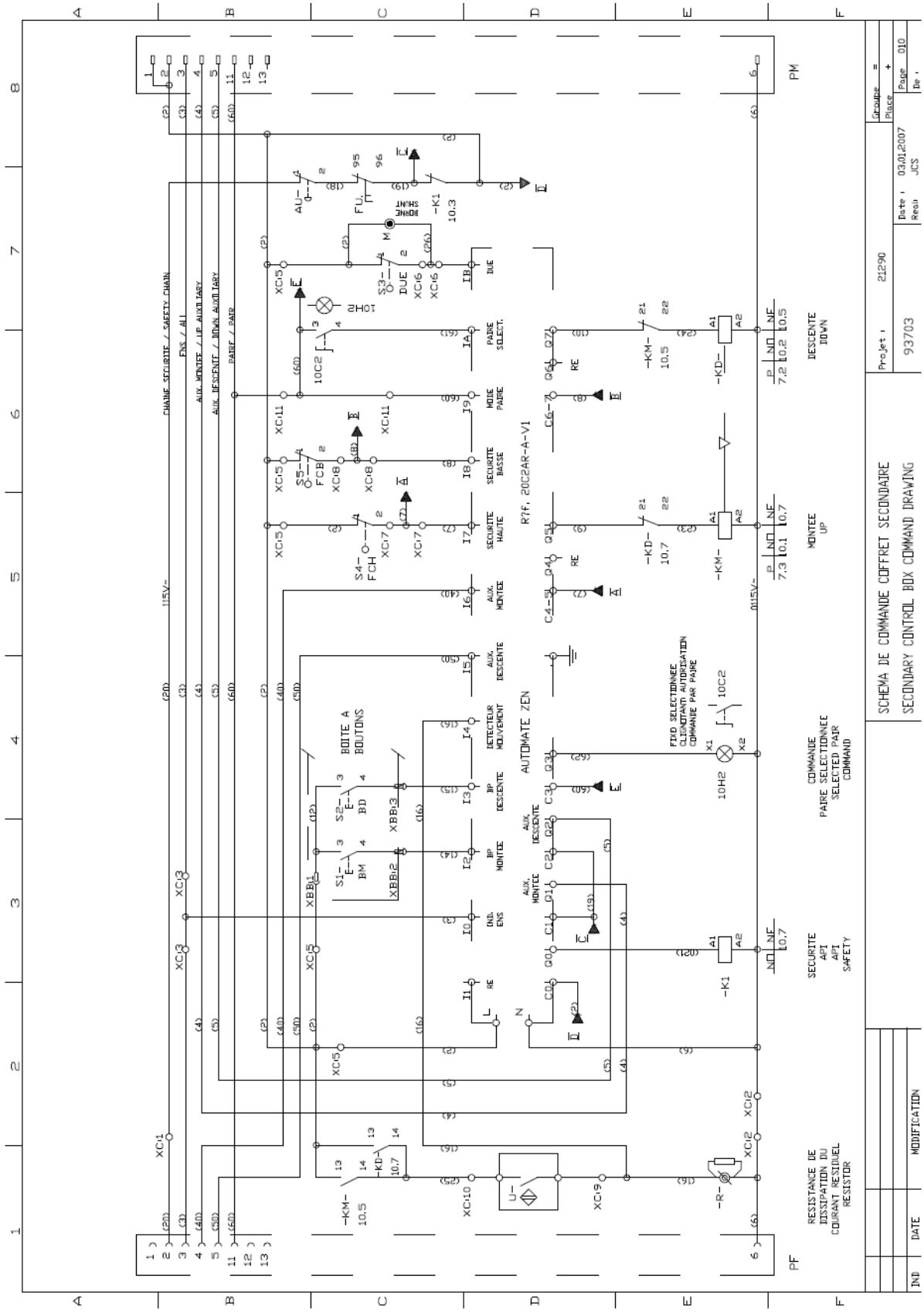
Electrical diagram (EASY+ range : BLx55E-BLx65E)




SCHEMA DE PUISSANCE COFFRET SECONDAIRE
SECONDARY BOX POWER DRAWING
93703
21290
03.01.2007
JCS
SECONDAIRE 4
SECONDARY BOX #4
SECONDAIRE 3
SECONDARY BOX #3
SECONDAIRE 2
SECONDARY BOX #2
MT4
MT3
MT2
IN6,9A
2,9KW
FREIN
BRAKE
-KM-
-KD-
FU,
5,5-8A
VERS COFFRET
PRIMAIRE
SI 4 COLONNES
TO PRIMARY
CONTROL BOX
IF JACKS 4
MODIFICATION
DATE


SCHEMA DE PUISSANCE COFFRET SECONDAIRE
SECONDARY BOX POWER DRAWING
93703
21290
03.01.2007
JCS
VERS COFFRET PRIMAIRE
TO PRIMARY CONTROL BOX
OPTION 6 COLONNES
6 JACKS OPTION
SECONDAIRE 6
SECONDARY BOX #6
SECONDAIRE 5
SECONDARY BOX #5
FREIN
BRAKE
MT6
MT5
IN6,9A
2,9KW
FU,
5,5-8A
-KM-
-KD-
M
3PH
DATE
MODIFICATION


SCHEMA DE COMMANDE COFFRET PRIMAIRE
PRIMARY CONTROL BOX COMMAND DRAWING
Projet : EAR- 21163
93611
Date : 02.07.2004
Page 009
AUTOMATE ZEN
Réf. 20C2AR-A-V1
RELAIS SECURITE
SAFETY RELAY
XPS-AC3421
KA.AU
BOITE A BOUTONS
COMMANDE PAIRE SELECTIONNEE
SELECTED PAIR COMMAND
SECURITE API
API SAFETY
RESISTANCE DE DISSIPATION DU COURANT RESIDUEL
SECURITE AU. PUISSANCE POWER EMERGENCY STOP SAFETY
CHAINE SECURITE /SAFETY CHAIN
ENS. / AU
AUX. MONTEE / UP AUXILIARY
AUX. DESCENTE / DOWN AUXILIARY
PAIRE / PAIR
DESCENTE DOWN
MONTEE UP
PF
PM


SCHEMA DE COMMANDE COFFRET SECONDAIRE
SECONDARY CONTROL BOX COMMAND DRAWING
AUTOMATE ZEN
Réf. 20C2AR-A-V1
BOITE A BOUTONS
RESISTANCE DE DISSIPATION DU COURANT RESIDUEL
RESISTOR
COMMANDE PAIRE SELECTIONNEE
SELECTED PAIR COMMAND
SECURITE API
API SAFETY
DESCENTE DOWN
MONTEE UP
93703
03/01/2007
JCS

CE Certificate

The manufacturer undersigned:

FACTORY

SEFAC S.A
1, rue André Compain
BP 101
08800 MONTHERME
France

Telephone: +33 (0)3.24.53.01.82
Fax: +33 (0)3.24.53.20.24

SALES COMPANY

Garage Equipment Ltd Pty
17 Canberra Street
Hemmant 4174 QLD
Australia

Telephone: +33 (0)3.24.53.01.82
Fax: +33 (0)3.24.53.20.24

CERTIFICATION OFFICE

Bureau Veritas
Parc d'Activité Actipolis
Canéjan
33612 CESTAS Cedex
France

certify that the product:

PMX412055, PMX412065, PMX612055, PMX612065
certificate number CE 0062.150X.0440.01.06

COMMERCIAL REFERENCE: BL455NE, BL465NE, BL455E, BL655E, BL465E, BL665E

COLUMNS N°: ....

....

Is in conformity with:

- the European directive 98/37/CE
- and EN 1493

Monthermé, January the 1st 2006

Eric LETELLIER
Technical Director

WARRANTY

► Warranty terms

Our equipment is guaranteed against any faulty operation originated from a material, manufacturing or design defect under the conditions indicated below. The faulty operation must appear within a period of 12 months after commissioning and at the latest 15 months after delivery.

The guarantee is excluded when:

- the defective material or design originates with the purchaser;
- the faulty operation results from repair or maintenance work carried out on our equipment without our prior consent;
- the parts used by the purchaser have not been provided by LIFTMAX,
- the defective operation is caused by normal wear of the merchandise item, a negligence or errors of maintenance on the part of the purchaser;
- the use of our equipment does not comply with the recommendations indicated in our User Manual;
- the defective operation is due to a case of force majeure.

For fear of forfeiting the right to guarantee, the purchaser is bound to inform of cases of non-compliance within a maximum period of 30 days after becoming aware of them by registered letter, which will be sent to: LIFTMAX. No claim will be receivable beyond this deadline. Any repair or maintenance work carried out on this equipment without our agreement will result in loss of the right to guarantee. Under the guarantee, we will replace free of charge the parts or material/equipment acknowledged by LIFTMAX to be defective and returned to our production plant for expertise.

The repairing or replacement of the parts during the guarantee period can in no way give rise to an extension of the guarantee.

Warranty of our materials and/or equipment can only be ensured under the conditions listed above provided that all amounts due have been received by LIFTMAX.

The warranty starts from the date of commissioning by means of filling and returning the appropriate form to LiftMax. This document is to be returned to our Sales Office within 15 days after commissioning.

No claim relating to the performance of the products can be used by the purchaser to obtain additional warranty or suspension whatsoever of - or deduction in - the payments due. The purchaser admits that he/she is perfectly aware of the performance and capacity of the products.

Ancillaries

	Remote control *(reference BL RC)* Remote control with 10 meters long-cable to pilot the lift from the master column in "all" mode.
	Plastic cover protection *(reference BL PC)* Set of 4 Plastic cover protection for intensive use in wash bays
	Jacking unit *(reference BL HD)* Set of 4 hydraulic palette jack "Deadman" type
	Van's adaptor *(reference BL FRV 01)* Set of 4 fork reducer for vans - Capacity 4,8 tonnes - Fit to wheel diameter 600 to 930 mm
	Car's adaptor *(reference BL FRC 01)* Set of 4 fork reducer for cars - Capacity 2 tonnes - Fit to wheel diameter 500 to 730 mm
	Trailer beam *(reference BL LB 02)* Lifting beam for trailer maximum capacity: 3 x 5 tonnes

Lifting beam *(reference BL LB 01)*

Lifting beam for bus & coach
maximum capacity: 2 x 6 tonnes

Transmission jack *(reference BL TJ 15)*

1,5 tonnes transmission jack
with a multi-position swivel head

Capacity :	1,5 tonnes
Minimum height :	1000 mm
Maximum height	2020 mm
2 speeds	
4 wheels Ø 200 mm	
Net weight :	175 kg
Dimensions (Lxl)	850 x 480 mm

14 t small axle stand

(reference BL 140)
Mini - maxi: 300 – 445 mm / 5 positions

(reference BL 141)
Mini - maxi: 450 – 730 mm / 8 positions

(reference BL 142)
Mini - maxi: 685 – 1125 mm / 12 positions

tall axle stand

(reference BL 060)
6 t / Mini-maxi: 1130 – 1840 mm / 10 positions

(reference BL 100)
10 t / Mini - maxi: 1380 – 2100 mm / 10 positions

(reference BL 150)
15 t / Mini - maxi: 1385 – 2025 mm / 10 positions
Spring loaded / with screw at the top

CONTACT US

LIFTMAX
17 Canberra Street
Hemmant QLD 4174
Phone: 1800 777 318 - Fax: 1300 785 737
Web: www.garageequipment.net.au

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